

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702-1 REV. A OR LATER
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 4 OR LATER

REF TCCA STC: SH04-7
REF FAA STC: SR01997NY
REF EASA STC: EASA.IM.R.S.00710

1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to amend section 3.4 of Installation Instructions IIN-D412-702-1 to include the installation of the D5474-1 Spacers and D5475-1/-2 Anti Chafing Shields between the D3196-3/-4 Bars and the aircraft bulkhead. This will allow the D412-702-011/-017/-021/-027 Shoulder Harness Kits to be properly fit in relation to the airframe and to prevent the shoulder harnesses from chafing against protruding fasteners on some airframes.

2.0 INSTALLATION AND MAINTENANCE

IIN-D412-702-1 section 3.4 is amended as follows:

1. Carry out installation instructions IIN-D412-702-1 Rev. A or later up to section 3.4.3.
2. Install the D5475-3/-4 Anti Chafing Shield and Qty (3) D5474-1 Spacers between each D3196-3/-4 Bar and the aircraft structure. Fasten over the OEM thermal blanket to existing aircraft structure using MS24694-S162 Screws. It is acceptable to substitute with longer or shorter MS24694 Screws if required to ensure threads are in in safety. See Figure 1.
3. The D3196-3/-4 Bars and D5475-1/-2 Anti Chafing Shields must be oriented properly to ensure that the holes will align with existing aircraft holes. To pass through the thermal blanket, either cut holes and reinforce the blanket or install D3619-2 Grommets from the D412-702-069 Grommet Kit per Section 4.0 of IIN-D412-702-1. Torque the fasteners per Table 1 of IIN-D412-702-1.
4. It is acceptable to trim the D5474-1 Spacer(s) to provide a better fit.
5. Continue with the installation instructions IIN-D412-702-1 Rev. A at section 3.4.5. Ensure that the harnesses pass between the D3196-3/-4 Bars and the D5475-1/-2 Anti Chafing Shields.
6. Update the aircraft weight and balance per section 3.0 of this service instruction.
7. Update the aircraft logbook to indicate installation of DSI 9766-011 Shoulder Harness Spacer Kit.

3.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9766-011 Shoulder Harness Spacer Kit	0.78 lb 0.35 kg	0 in 0 m	0 in lb 0 m kg	147 in 3.73 m	114.66 in lb 1.31 m kg

4.0 PARTS LISTS


QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9766-011	SHOULDER HARNESS SPACER KIT
6	D5474-1	SPACER
1	D5475-1	ANTI CHAFING SHIELD
1	D5475-2	ANTI CHAFING SHIELD
6	MS24694-S162	SCREW

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 16.12.01
CERT. NO.: SH04-7
ISSUE NO.: 3

APPROVED

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MFG. APPR.	N/A	DSI 9766	SHEET 1 OF 2
APPROVED	WM	TITLE	SCALE
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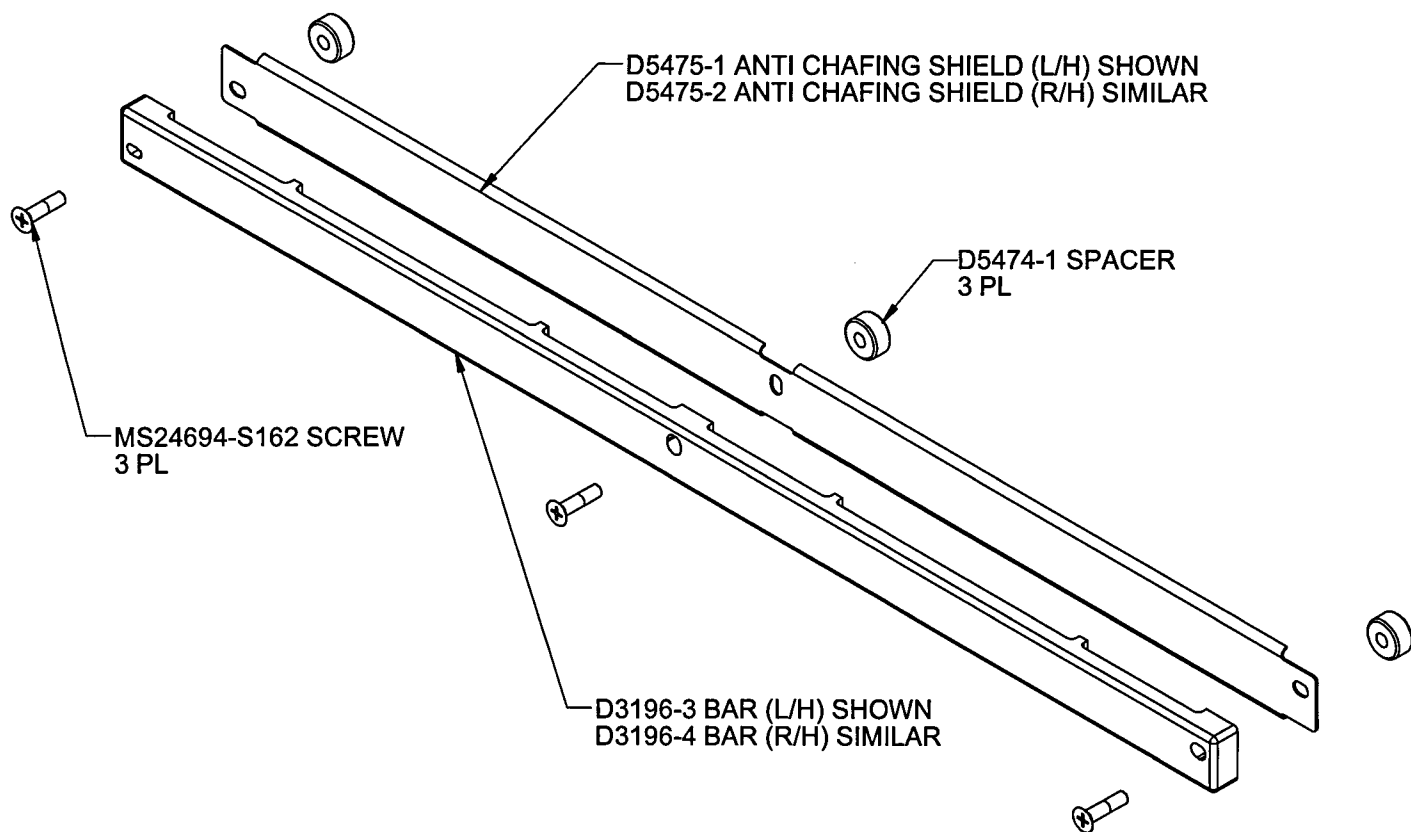


Figure 1: Shoulder Harness Spacer Kit Installation
(L/H side shown, R/H side similar)

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DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
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DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

DSI 9766

REV. A

SHEET 2 OF 2

TITLE

SHOULDER HARNESS SPACER KIT

SCALE

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